



U.S. Department
of Transportation

Research and
Special Programs
Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0174/S, REVISION 4

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive materials.

1. Source Identification - Gulf Nuclear, Inc, Model CS-2.
2. Source Description - The source is a heliarc welded double encapsulation of stainless steel with maximum diameter of 8.7 mm (0.344 in) and a length of 30.6 mm (1.205 in). The minimum wall thickness of the outer capsule is 0.66 mm (0.026 in), and the inner capsule is 0.76 mm (0.030 in). It is manufactured in accordance with attached drawing No. A-39-A.
3. Radioactive Contents - This source consists of not more than 74 GBq (2.0 Ci) of Cesium-137 in the form of solid microsphere resin pellets.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires August 31, 2002.

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated May 27, 1997 submitted by Western Atlas International, Houston, TX, and in consideration of other information on file in this Office.

Certified by:


Alan I. Roberts

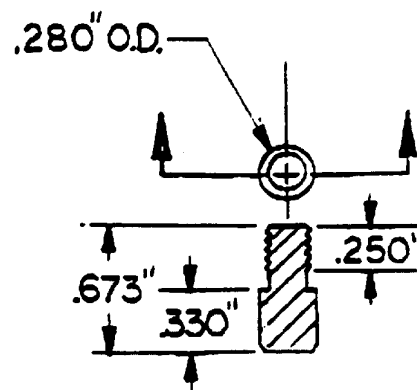
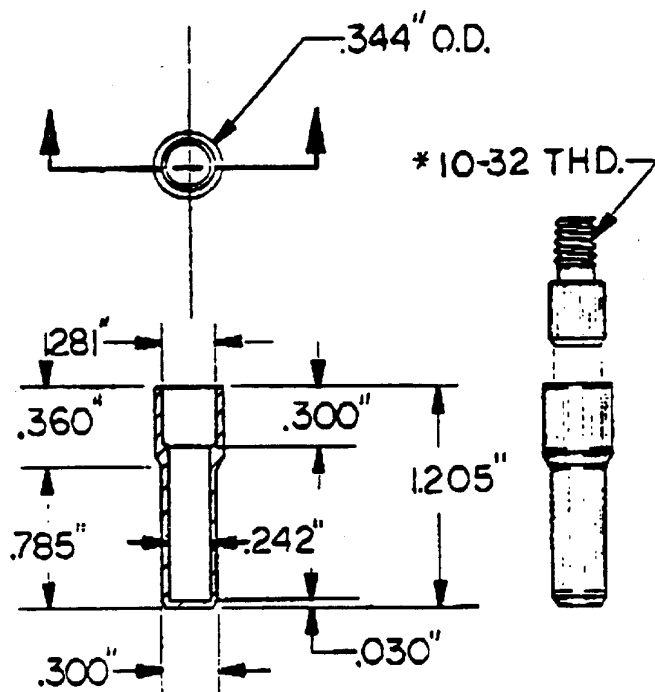
Associate Administrator for Hazardous Materials Safety

AUG 13 1997
(DATE)

Revision 4 - Issued to update to the 1985 IAEA regulations and to extend the expiration date.

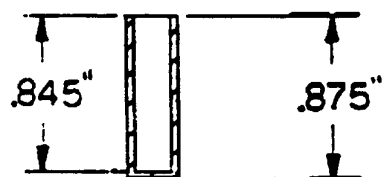
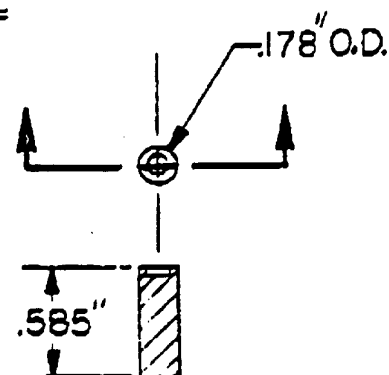
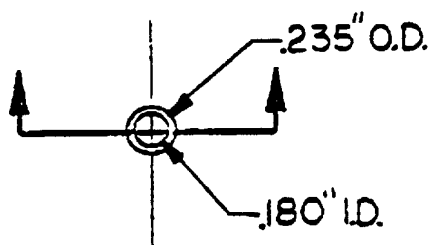
1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990", published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.



* MAX. DIA. .190"
MIN. DIA. .163"

OUTER CAPSULE & LID



INNER CAPSULE & LID

REVISIONS			GULF NUCLEAR, INC.		
NO.	DATE	BY	DRESSER ATLAS CS-2 CAPSULE		
1			DRAWN BY MPA	SCALE FULL	MATERIAL S.S.
2					
3			CHK'D	DATE 9-21-82	DRAWING NO.
4					
5			TRACED	APP'D	A-39-A

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